

**REMARKS**

The claims of the subject application have been amended to avoid multiple dependency. Favorable consideration of the subject application is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

In the claims:

Claim 4, 5, 8, and 12 have been amended as follows:

4. (Amended) The device according to ~~any of the preceding claims~~ claim 1, characterized in that the coupling device comprises a diffraction grating (5).

5. (Amended) The device according to ~~any of claims 1 to 3~~, characterized in that the coupling device comprises a cylindrical lens (2).

8. (Amended) The device according to ~~any of claims 1~~, characterized in that the second means comprise a laser or microlaser for illuminating the whole of the microchannel structure (4) and in that the third means comprise a birefringent crystal (16, 17) for separating the fluorescence light emitted according to two components polarized perpendicularly to each other.

12. (Amended) The device according to ~~any of claims 8 or 10~~, characterized in that the birefringement crystal is a LiNbO<sub>3</sub> crystal or a calcite crystal.

Claims 13-15 have been added.